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FORM PTO-1390
(REV. 12-2001)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER

073226.0104

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371

U.S. APPLICATION NO. (If known, see 37 CFR 1.5

10/031759

INTERNATIONAL APPLICATION NO.

INTERNATIONAL FILING DATE

PRIORITY DATE CLAIMED

PCT/KR01/00806

May 17, 2001

May 17, 2000

TITLE OF INVENTION

Rotary Regenerative Oxidizer with Distribution Wings

APPLICANT(S) FOR DO/EO/US

PACK, Ji-Hwan

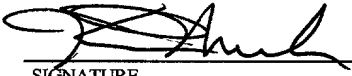
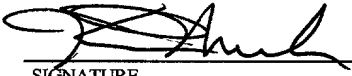
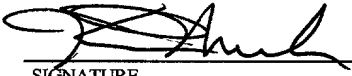
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☐ The US has been elected by the expiration of 19 months from the priority date (Article 31).
5. ☐ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. ☒ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). Unsigned
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☐ A **FIRST** preliminary amendment.
14. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
15. ☐ A substitute specification.
16. ☐ A change of power of attorney and/or address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information:
 1. International Search Report
 2. Verified Statement
 3. Certification of Mailing
 4. Return Receipt Post Card

U.S. APPLICATION NO. (if known) (see 37 CFR 1.5)		INTERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKET NUMBER	
107051759		PCT/KR01/00806		073226.0104	

<p>21. <input checked="" type="checkbox"/> The following fees are submitted:</p> <p>BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):</p> <p>Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO..... \$1040.00</p> <p>International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$890.00</p> <p>International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$740.00</p> <p>International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$710.00</p> <p>International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) \$100.00</p> <p style="text-align: right;">ENTER APPROPRIATE BASIC FEE AMOUNT =</p> <p>Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:20%;">CLAIMS</th> <th style="width:20%;">NUMBER FILED</th> <th style="width:20%;">NUMBER EXTRA</th> <th style="width:20%;">RATE</th> <th style="width:20%;">\$</th> </tr> <tr> <td>Total claims</td> <td>13 - 20 =</td> <td>0</td> <td>x \$18.00</td> <td>\$</td> </tr> <tr> <td>Independent claims</td> <td>2 - 3 =</td> <td>0</td> <td>x \$84.00</td> <td>\$</td> </tr> <tr> <td colspan="4">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td>+ \$280.00</td> </tr> <tr> <td colspan="4" style="text-align: right;">TOTAL OF ABOVE CALCULATIONS =</td> <td>\$</td> </tr> <tr> <td colspan="4"> <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2. </td> <td>+ \$ 520.00</td> </tr> <tr> <td colspan="4" style="text-align: right;">SUBTOTAL =</td> <td>\$ 520.00</td> </tr> <tr> <td colspan="4"> Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)). </td> <td>\$</td> </tr> <tr> <td colspan="4" style="text-align: right;">TOTAL NATIONAL FEE =</td> <td>\$ 520.00</td> </tr> <tr> <td colspan="4"> Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + </td> <td>\$</td> </tr> <tr> <td colspan="4" style="text-align: right;">TOTAL FEES ENCLOSED =</td> <td>\$ 520.00</td> </tr> <tr> <td colspan="4"></td> <td>Amount to be refunded: \$</td> </tr> <tr> <td colspan="4"></td> <td>charged: \$</td> </tr> </table> <p>a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>520.00</u> to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. <u>02-0384</u> in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>02-0384</u>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p> <p>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.</p> <table style="width:100%;"> <tr> <td style="width:50%; vertical-align: top;"> <p>SEND ALL CORRESPONDENCE TO:</p> <p>Kevin J. Meek Baker Botts L.L.P. 2001 Ross Avenue Suite 600 Dallas, TX 75201-2980</p> </td> <td style="width:50%; vertical-align: top;"> <p style="text-align: right;">  1/17/02 SIGNATURE Kevin J. Meek NAME 33,738 REGISTRATION NUMBER </p> </td> </tr> </table>	CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	Total claims	13 - 20 =	0	x \$18.00	\$	Independent claims	2 - 3 =	0	x \$84.00	\$	MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$280.00	TOTAL OF ABOVE CALCULATIONS =				\$	<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				+ \$ 520.00	SUBTOTAL =				\$ 520.00	Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$	TOTAL NATIONAL FEE =				\$ 520.00	Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +				\$	TOTAL FEES ENCLOSED =				\$ 520.00					Amount to be refunded: \$					charged: \$	<p>SEND ALL CORRESPONDENCE TO:</p> <p>Kevin J. 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ATTORNEY DOCKET NO..
073226.0104

PATENT

1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Ji-Hwan Pack
Serial No. Unknown
Filing Date: January 17, 2002
Group Art Unit: Unknown
Title: ROTARY REGENERATIVE OXIDIZER WITH
DISTRIBUTION WINGS

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

PRELIMINARY AMENDMENT

Prior to the initial review of this non-provisional utility patent application entitled "Rotary Regenerative Oxidizer with Distribution Wings" by Ji-Hwan Pack, please amend the application as follows:

IN THE ABSTRACT

Page 12, please add the following Abstract:

-- ABSTRACT

The present invention provides a regenerative oxidizer in which a separator is disposed within the housing of said oxidizer whereby a rotor in center of said separator rotates in order to remove waste gases containing volatile organic compounds and odorous gases continuously. The flow direction of waste gases is controlled by said rotor thus enabling maintenance of constant temperature in heat media bed and catalyst bed. --

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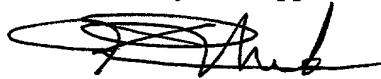
PATENT

2

REMARKS

Early and favorable acceptance of this application is respectfully requested.

Respectfully submitted,
BAKER BOTTS L.L.P.
Attorneys for Applicants



Kevin J. Meek
Registration No. 33,738

Date: 1/17/02
2001 Ross Avenue, Suite 600
Dallas, Texas 75201
Phone: 214.953.6680
Fax: 214.661.4680

ATTORNEY DOCKET NO..
073226.0104

PATENT

1



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Ji-Hwan Pack
Serial No. 10/031,759
Filing Date: January 17, 2002
Group Art Unit: Unknown
Title: ROTARY REGENERATIVE OXIDIZER WITH
DISTRIBUTION WINGS

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

SECOND PRELIMINARY AMENDMENT

Prior to the initial review of this non-provisional utility patent application entitled "Rotary Regenerative Oxidizer with Distribution Wings" by Ji-Hwan Pack, please amend the application as follows:

Page 1 after the title, please insert the following:

--RELATED APPLICATIONS

This application claims priority to PCT Application No. PCT/KR01/00806 filed May 17, 2001 entitled *Rotary Regenerative Oxidizer with Distribution Wings* which claims the benefit of Korean Patent Application 20-2000-0013896 filed May 17, 2000 --.

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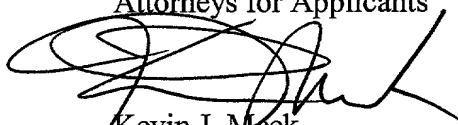
PATENT

2

REMARKS

Early and favorable acceptance of this application is respectfully requested.

Respectfully submitted,
BAKER BOTTS L.L.P.
Attorneys for Applicants



Kevin J. Meek
Registration No. 33,738

Date: 5-3-02

Please direct telephone calls to:

Kevin J. Meek
Phone: 214.953.6680
Fax: 214.661.4680

Correspondence Address:

Customer Number Bar Code Label: